



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 11, 2017

Janice E. Asato
Authorized Agent to Premier Horticulture, Inc.
Technology Sciences Group Inc.
1150 18th Street, NW, Suite 1000
Washington, D.C. 20036

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Adding National Organic Program Text, the Organic Materials Review Institute Logo and EPA Establishment Number Information and Modifying the EPA File Symbol to an EPA Registration Number
Product Name: PRO-MIX[®] MP BIOFUNGICIDE[™] + MYCORRHIZAE[™]
EPA Registration Number: 74267-8
Application Date: 04/28/2017
OPP Decision Number: 529205

Dear Ms. Asato:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

At this time, the U.S. Environmental Protection Agency (EPA) is not requiring a change to the restricted-entry interval (REI) of 0 hour as it appears on your labeling in the Agricultural Use Requirements Box. The EPA is currently developing guidance and criteria for when it will allow a REI of less than 4 hours and might require a change to the REI for this product in the future. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution

of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Elyse Bilardo by phone at (703) 347-0182 or via email at bilardo.elyse@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeannine Kausch', with a stylized flourish at the end.

Jeannine Kausch, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

PRO-MIX[®] MP BIOFUNGICIDE[™] + MYCORRHIZAE[™]

SPHAGNUM PEAT-BASED GROWING MEDIUM
WITH BIOFUNGICIDE[™] FOR PROTECTED GROWING ENVIRONMENT USE
(E.G. GREENHOUSES OR CONTAINED NURSERIES)

 (For Organic Production) (For Use in Organic Production) (Can be used in organic production) (OMRI Listed[™] (logo))

KEEP OUT OF REACH OF CHILDREN

CAUTION

See First Aid and Additional Precautionary Statements on Back Panel

<p>ACTIVE INGREDIENT: <i>Bacillus pumilus</i> strain GHA180 (not less than 5 X 10⁴ viable spores per gram of medium) ...0.001% OTHER INGREDIENTS: 99.999% Total..... 100.000%</p>	<p>EPA Reg. No. (74267-8) EPA Establishment No. 74267-CAN-001/002/003/004</p>
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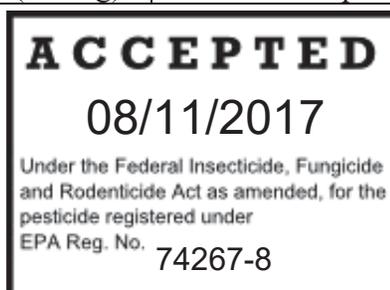
For identification of establishment number, refer to the manufacturing identification, which is ink-jet printed within side bar. This indicates year.month.day, manufacture location, (1, 2, 3, 4, or 6); military time and product identification. For example: 2016.01.15 2 02:45 BX. Manufacturing locations are coded as:

- 1:** for Rivière-du-Loup, Quebec - compressed products (EPA Establishment No. **74267-CAN-001**)
- 2:** for Rivière-du-Loup, Quebec - loose fill products (EPA Establishment No. **74267-CAN-001**)
- 3:** for Richer, Manitoba (EPA Establishment No. **74267-CAN-002**)
- 4:** for Northal, Alberta (EPA Establishment No. **74267-CAN-003**)
- 6:** for Rexton, New-Brunswick (EPA Establishment No. **74267-CAN-004**)

www.pthorticulture.com

Net weight	Volume
25 lb (11.3 kg)	2.8 cu ft loose (79 L)
60 lb (27.2 kg)	3.8 cu ft compressed (107 L)
870 lb (395 kg)	55 cu ft compressed (1,557 L)
535 lb (243 kg)	60 cu ft loose (1,700 L)
625 lb (283 kg)	70 cu ft loose (1,982 L)
710 lb (322 kg)	80 cu ft loose (2,265 L)
2,200 lb (998 kg)	135 cu ft compressed (3,825 L)

PRODUCT OF CANADA
Manufactured For:
PREMIER HORTICULTURE INC.
200 Kelly Road, Unit E-1
Quakertown, PA 18951
USA
Batch Code:



PRODUIT DU CANADA
Manufactured By:
PREMIER TECH HORTICULTURE
1 avenue Premier
Rivière-du-Loup, Quebec
Canada G5R 6C1

(Back Panel)

PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™

FIRST AID

If in Eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice. <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p>For non-emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: www.npic.orst.edu). For emergencies, call your local poison control center at 1-800-222-1222.</p>
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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals. CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE): Applicators (e.g., persons opening bags and/or filling potting machines) and other handlers must wear protective eyewear, a long-sleeved shirt, long pants, shoes, socks, and a NIOSH-approved particulate respirator with any N, R, or P filter with NIOSH approval number prefix TC-84A or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards: For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Given the pesticide active ingredient is already incorporated into a sphagnum peat-based growing medium, no restricted-entry interval (0 hours) is needed for this product.

PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™ has been enriched with GHA180 (active ingredient: *Bacillus pumilus* strain GHA180), a biofungicide that prevents root diseases. The *Bacillus pumilus* bacteria colonize developing root systems and suppress disease-causing organisms, such as *Pythium*, *Fusarium*, *Rhizoctonia*, *Alternaria* and *Aspergillus* that attack root systems. The bacteria also act as a biostimulant developing with the growing root system. As a result, a vigorous root system is then established that results in more uniform plant stands after transplanting and in greater crop response. In addition, the *Glomus intraradices* fungi contained in **PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™** attach to and colonize root systems working in symbiosis with plants. Endomycorrhizal fungi like *Glomus intraradices* benefit the host plant by increasing acquisition of water and nutrients (especially phosphorus, copper and zinc) by forming an extensive mycorrhizal root system. In exchange, the plant provides soluble sugars to the fungus. This symbiotic relationship between fungi and plant results in overall improved plant growth.

Custom Blends

PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™ is a custom-blended growing medium designed to meet your growing needs.

PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™ is a peat-based growing medium designed for the cultivation of horticultural plants in protected growing environments like glasshouses, greenhouses and contained nurseries. **PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™** is designed to meet crop requirements for growers of herbs, vegetables, fruits and tobacco. The basic components have been selected and formulated to provide gradual nutrient release for the first weeks of plant growth.

USES: Vegetable Transplants, Fruit Transplants, Herb Transplants, Tobacco Transplants, Germination of Seeds (Fruits, Herbs, Tobacco, and Vegetables), Float Trays, Subirrigation Systems.

INGREDIENTS

- Canadian Sphagnum Peat Moss (56.8% by weight)
- Coir – horticultural grade
- Perlite - horticultural grade
- Calcitic limestone (pH adjuster)
- Wetting Agent
- Fertilizers
- Endomycorrhizal inoculant (*Glomus intraradices*)
- Biofungicide (*Bacillus pumilus* strain GHA180)

PREPARATION

Open package at the time of seeding, potting or transplanting. Pre-moisten medium with water until slightly moist to the touch after emptying package. Transplant cuttings, plugs, seedlings, etc. in moistened medium taking care to avoid compaction (do not press down around seed or root systems). After transplanting, add water to settle medium. Place newly transplanted trays and pots in a suitable growing area within the protected growing environment. Potting benches and equipment should be located in a clean, weed-free area.

IMPORTANT: PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™ is suitable for herbs, vegetables, fruits, and tobacco. PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™ is for use in protected growing environments only (e.g. glasshouse or greenhouse) and not for use in non-protected environments (e.g. non-contained nurseries or slat houses).

FERTILIZATION

Initial plant development will occur without immediate fertilization. It is essential to initiate a fertilization program at the emergence of the first set of true leaves; this will ensure plants receive adequate nutrients. Select a fertilization program that is appropriate for the plant species grown, stage of development and water nutrient content. If you frequently analyze media nutrient levels and plant tissue throughout the production cycle, you can ensure plants receive proper nutritional requirements.

WATER MANAGEMENT

An essential part of crop culture is water management. When plants require water, irrigate the crop early in the day. This will allow plant foliage and medium surface to dry. Also, medium temperature can warm to normal level by evening. Irrigate thoroughly so water ‘runs through’ to prevent salt accumulation and to ensure uniform wetting and drying of containers throughout the crop. If preferred, additional wetting agent can be applied during the crop cycle at irrigation to reduce surface tension of water for more thorough water penetration and movement throughout the root zone.

APPLICATION INFORMATION

- Use **PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™** “as is” from package. Pre-moisten medium with water until slightly moist to the touch after emptying package.
- Thoroughly moisten medium to “water-in” plants after transplanting and placing in the protected growing environment.
- Do not add fertilizers when sowing seeds.
- Use for plants requiring a growing pH between 5.0 and 7.0.
- Do not sterilize or pasteurize **PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™**.
- Do not store wet growing media, as pH will tend to climb from activation of limestone.
- Store products in sealed bags to avoid intrusion from water, pathogens, pesticides and weeds.

- Pesticides and chemical plant regulator treatments can be used in combination with **PRO-MIX® MP BIOFUNGICIDE™ + MYCORRHIZAE™**.
- Rotate product inventory to practice 'First In – First out'. Product performance is best when used within 12 months of manufacturing date. (see manufacturing date on package: yyyy.mm.dd.)

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a dry place at ambient temperature -22 to 86° F (-30 to 30 °C).

PESTICIDE DISPOSAL: To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely remove medium from the bag. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.

QUALITY GUARANTEE

PREMIER HORTICULTURE INC. **is committed to quality.** If you are not satisfied with the quality of this product, PREMIER HORTICULTURE INC. guarantees to replace it or refund its purchase price. To the extent consistent with applicable law, all other remedies, liabilities, including liability for direct or consequential damages, and warranties of merchantability and fitness for a particular purpose are excluded.

PLEASE RECYCLE

THIS PRODUCT RESPECTS ALL LEGISLATION ON HEAVY METALS

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

Manufactured For and

Guaranteed By:

PREMIER HORTICULTURE INC.

200 Kelly Road, Unit E-1

Quakertown, PA USA 18951

For additional information, call:

(215) 529-1290 or 1 800 525-2553

www.pthorticulture.com

Manufactured By:

PREMIER TECH HORTICULTURE

1 avenue Premier

Rivière-du-Loup (Québec) Canada G5R 6C1

For additional information, call:

(514) 631-6700 or 1 800 667-5366

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